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with 13 plates and 153 cuts. Boston: S. E. Cassino & Co., 1885. 8vo, pp. 466.

This is a work which should be in the hands of every botanist who is interested in investigations into the deeper problems of plant-life. The first two chapters are devoted to brief descriptions of the microscopical apparatus necessary for his purposes, with directions for using them, and to the manner in which microscopical work should be performed. The translators have substituted descriptions and figures of American instruments for those of the Continental style described in the corresponding chapters in the German edition, inasmuch as the foreign apparatus are comparatively unused and unavailable in this country.

The third chapter contains very full directions for the preparation of microscopical objects. The fourth and fifth chapters are devoted, respectively, to microscopical re-agents and microscopical investigations of vegetable substances. In these two chapters, which constitute the most valuable portion of the work, the student will find a very large number of facts and hints that will aid him greatly in the practical performance of those delicate manipulations that he will be obliged to master before he can become an expert in the histological investigation of plants.

The book is very handsomely printed, and the illustrations are both numerous and excellent.

Canadian Filicineæ. By John Macoun, M.A., F.L.S., and T. J. W. Burgess, M.D. 4to, pp. 64. From *Transactions* of the Royal Society of Canada.

Note sur la Division des Noyaux dans le Tradescantia Virginica. Par E. Bernimoulin de l' Institut Botanique de l' Université de Liége. From the *Bulletin* de la Societé Royale de Botanique de Belgique.

A Catalogue of the Phænogamous Plants at present known to grow without cultivation in the State of Connecticut. By James N. Bishop. 8vo, pamph., pp. 18. Hartford, Conn., 1885.

Catalogue of the Phænogamous and Vascular Cryptogamous Plants found growing in Meriden, Conn. By Emily J. Leonard. In *Transactions* of the Scientific Association of Meriden. Vol. i., 1884, pp. 40.

A descriptive Catalogue of the Grasses of the United States, including especially the Grass Collections at the New Orleans Exposition. By Dr. Geo. Vasey, Washington: Gibson Bros. 1885. 8vo, pp. 110.

Notizie sulla Agricoltura in Italia da servire come Illustrazione alle Raccolte inviate dal Ministero di Agricoltura alla Esposizione Universale di Anversa nell' anno 1885. Roma: Tipografia Fratelli Centenari. 1885. 8vo, pp. 141.

Correction.—On page 60, line 14, *Farsetia* should be substituted for *Marrubium.*